

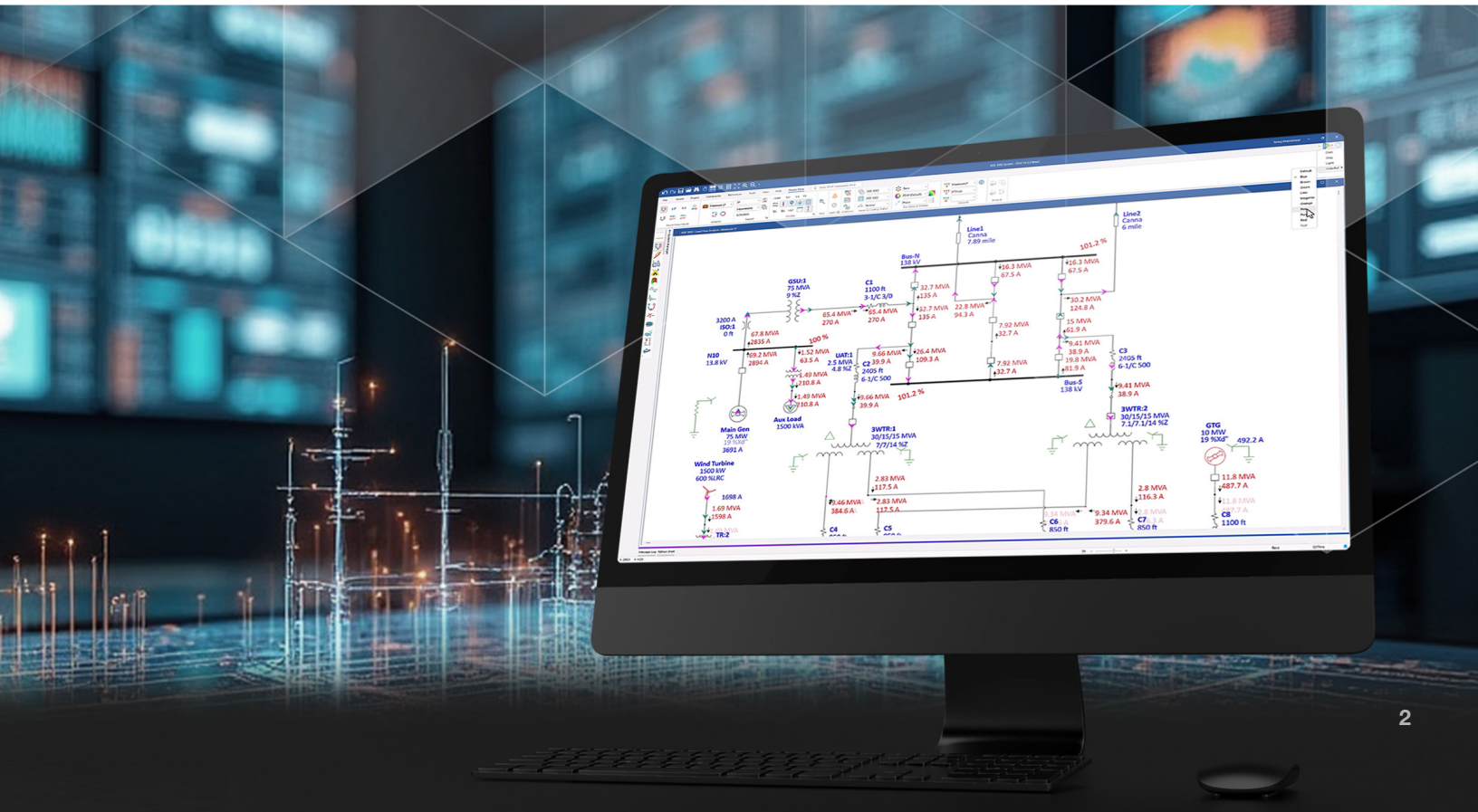


# Subscription package for power simulator and real time solutions

For sustained design  
and operational success

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# The leading sustainable enterprise platform from design and engineering to operations and maintenance

## What we do

- We provide market-leading software and hardware solutions serving all stages of the electrical system lifecycle for utilities, infrastructure, industries and buildings.
- Our offer enables a single source of truth for the entire electrical network through a multi-dimensional digital twin platform.

## What makes us unique

- ETAP has the most comprehensive offer for ensuring electrical design and engineering consistency and seamless data flow across the project life cycle.
- We drive innovation to support sustainability, safety and resilience through continuous intelligence, with our model-driven electrical digital twin technology.
- Our wide geographical presence provides lightning-fast responsiveness in global, regional, and local markets.

## Our commitments



### Safety

ETAP prioritizes safety by allowing engineers to simulate and analyze electrical power systems, helping identify potential risks, and ensuring compliance with safety standards.



### Sustainability

ETAP drives digital transformation for sustainability, supporting our customers in their energy transition, empowering them to make decisions for a green and smart future across the lifecycle.



### Reliability

Elevate your electrical system's reliability to unprecedented levels with ETAP's advanced software solutions, ensuring optimal performance, proactive mitigation, and maximizing operational efficiency.



### Resilience

ETAP strengthens resilience by equipping clients to adapt in real time, reduce downtime, manage risk, and maintain continuous operations under dynamic conditions.

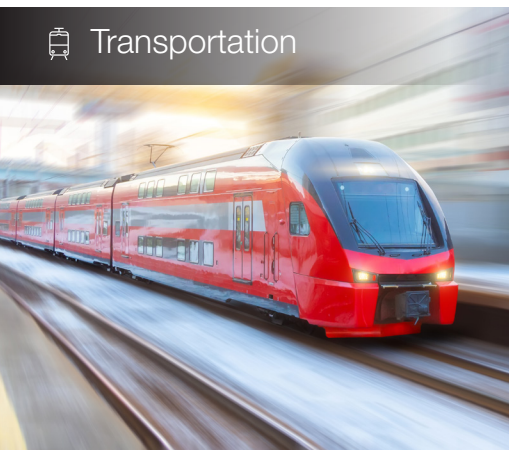
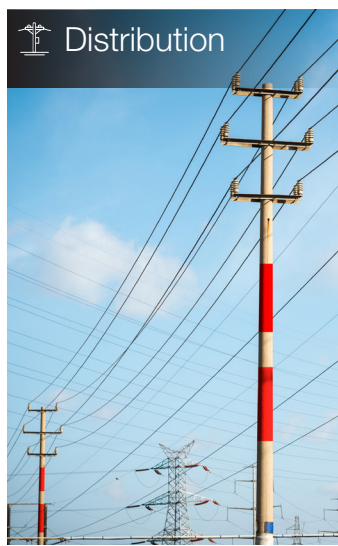


### Efficiency

ETAP boosts efficiency by streamlining the design and analysis of electrical systems, reducing time and resource use through automation and collaborative tools.

# Supporting a diverse range of business sectors

across the global energy landscape



# Benefits of subscription-based licensing

## Unlimited Buses

Model and analyze any size system – no limits, no extra cost – with full scalability

## Regional Access

Provide your teams with simultaneous access from multiple locations within the same country or worldwide with built-in checkout

## Bundled Configurations

Solutions that adapt to your evolving needs, ensuring cost-effective packages for sustained success

## Availability

Immediate access to a full set of capabilities without the need to purchase separate modules

## Software Updates Included

Incorporate best practices, stay up-to-date and future-ready with immediate access to latest improvements and innovation

## Best in Class Technical Support

Leverage top notch technical assistance from specialized dedicated teams

## Optimize Total Cost of Ownership

Predict and better manage your costs by accurately forecasting opex expenditures

## Mobile Accessibility

Access to etapAPP to streamline field data collection and model verification without the requirement of a separate license

## Digital Collaboration

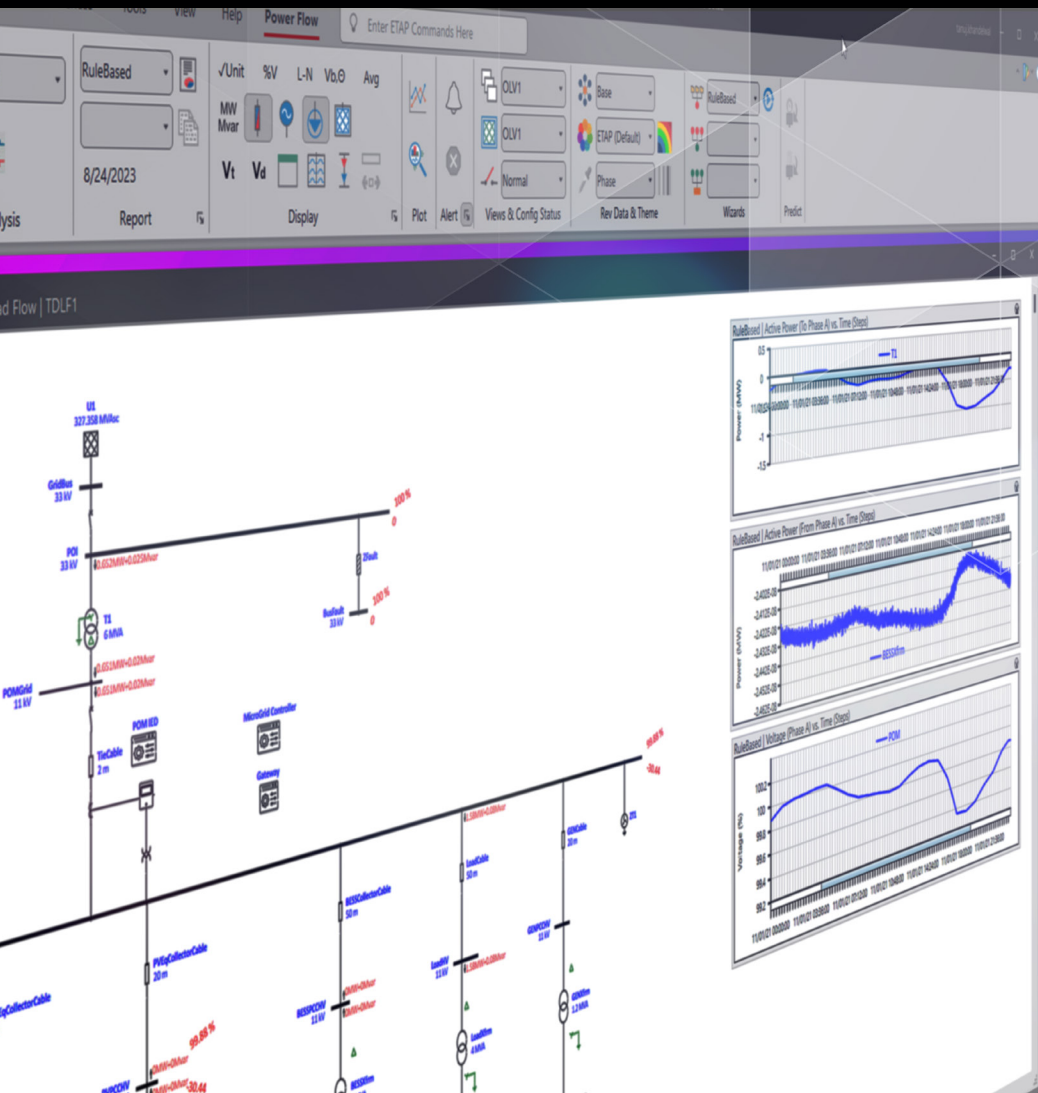
Global design and engineering teams can collaboratively work in parallel on the same project ensuring a single source of truth, thereby enhancing quality and increasing efficiency

## Project Management

Platform for collaborative engineering using smart management solutions

# Design

Subscription solutions for design, analysis and optimization



# Power Simulator

Simplified design and analysis subscription packages for your unique requirements

## Launch



Unlimited Buses & Devices  
Network License - National

AI Autocomplete  
Load Flow  
Short Circuit  
Transformer Sizing  
Transformer Tap Optimization  
Panel Schedule  
Cable Sizing  
International Cable Standards

NetPM™  
DataX AVEVA Engineering  
DataX Excel  
DataX Caneco BT  
DataX Autodesk AutoCAD

## Grow



Unlimited Buses & Devices  
Network License - National

AI Autocomplete  
Load Flow  
Short Circuit  
Transformer Sizing  
Transformer Tap Optimization  
Panel Schedule  
Cable Sizing  
International Cable Standards

NetPM™  
DataX AVEVA Engineering  
DataX Excel  
DataX Caneco BT  
DataX Autodesk AutoCAD

DataX Autodesk Revit  
STAR Protective Device  
Coordination  
STAR Sequence-of-Operation  
STAR Auto - Automated  
Evaluation

## Scale



Unlimited Buses & Devices  
Network License - National

AI Autocomplete  
Load Flow  
Short Circuit  
Transformer Sizing  
Transformer Tap Optimization  
Panel Schedule  
Cable Sizing  
International Cable Standards

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DataX Caneco BT  
DataX Autodesk AutoCAD

DataX Autodesk Revit  
STAR Protective Device  
Coordination  
STAR Sequence-of-Operation  
STAR Auto - Automated  
Evaluation

Motor Acceleration  
Motor Parameter Estimation  
& Tuning  
Harmonics  
Interharmonics  
FlickerMeter™  
Line Sag & Tension

# Add-ons for Power Simulator

Specialized options for unique requirements

## Safety

Elevate safety through informed decision-making

### ArcSafety

Arc Flash - IEEE 1584 & NFPA 70E  
Arc Flash Auto Evaluation  
ArcFaultTM - HV Arc Flash

### Cable System

Cable Underground Thermal  
Finite Element Method  
Cable Electromagnetic Fields  
Cable Pulling

### Infrastructure Protection

Ground Grid System  
Lightning Risk Assessment

### DC Networks

DC Load Flow  
DC Short Circuit  
DC Arc Flash

### Advanced Protection

StarZ™ - Distance Protection  
COMTRADE Processor & Viewer

### DataX ERACS

Import ERACS model

## Sustainability

Innovations for a greener energy landscape

### Sustainability Analysis

Carbon Footprint Analysis  
Time Domain Load Flow  
Reliability Assessment  
Techno-Economic Analysis

### Grid Code / Microgrid

Grid Code Analyzer  
Quasi-Dynamic Load Flow  
PQ Capability  
Frequency Ride Through  
Voltage Ride Through  
Power Plant Controller Digital Twin  
Microgrid Controller Digital Twin

### Battery Management System

Battery Sizing  
Battery Discharge

## Reliability

Maximize power system reliability

### Unbalanced Networks

Unbalanced Load Flow  
Unbalanced Short Circuit  
Unbalanced Harmonics

### Dynamic Stability

Transient Stability  
Load Shedding  
Microgrid Islanding  
Transformer Inrush  
EMT CoSimulator

### Advanced Stability

User-Defined Dynamic Models  
Generator Start-Up  
Dynamic Parameter Estimation & Tuning

### Control Systems

DC Control System Diagram & Simulation  
AC Control System Diagram & Simulation

### DesignPro™

Transmission Line Ampacity - FERC 881  
Substation Conductor Ampacity - IEEE 605

### Transformer Loading

Transformer Capacity - C57.91

# Add-ons for Power Simulator

Specialized options for unique requirements

## Resiliency

Grid and network optimization to maximize system resiliency

## Switching Management

Fault Management & Service Restoration  
Switching Optimization  
Switching Sequence Management

## Distribution Optimization

Volt/VAR Optimization  
Optimal Capacitor Placement  
Feeder Hosting Capacity

## Transmission Planning

Voltage Stability  
Optimal Power Flow  
Contingency Analysis  
Line Ampacity

## Railway Traction - eTraX™

Train Performance Calculation  
Unified AC & DC Power Flow  
Timetable Generation & Optimization  
Useful Voltage Assessment  
Battery Management System

## GIS

Intelligent Geospatial Diagram  
DataX Common Information Model (CIM)  
DataX MultiSpeak®  
DataX ArcGIS



# Operations

Subscription solutions for operations and maintenance



# eSCADA

Model-driven electrical SCADA for monitoring and managing electrical systems

Launch	Grow	Scale																		
<ul style="list-style-type: none"> <li>Real-Time Server</li> <li>Advanced Monitoring</li> <li>Dashboards</li> <li>Alarm Management</li> <li>Historian</li> </ul>	<ul style="list-style-type: none"> <li>Real-Time Server</li> <li>Advanced Monitoring</li> <li>Dashboards</li> <li>Alarm Management</li> <li>Historian</li> <li>Playback</li> <li>Redundancy</li> </ul>	<ul style="list-style-type: none"> <li>Real-Time Server</li> <li>Advanced Monitoring</li> <li>Dashboards</li> <li>Alarm Management</li> <li>Historian</li> <li>Playback</li> <li>Redundancy</li> <li>Web-based HMI</li> </ul>																		
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# PSMS

Predict system behavior in response to operator actions

## Launch



Real-Time Server  
Advanced Monitoring  
State Estimation  
Simulate Before Operate  
What if Analysis

### Predictive Simulation

Base Module  
Load Flow  
Short Circuit  
Transformer Sizing

## Grow



Real-Time Server  
Advanced Monitoring  
State Estimation  
Simulate Before Operate  
What if Analysis  
Playback Server

### Predictive Simulation

Base Module  
Load Flow  
Short Circuit  
Transformer Sizing  
Motor Starting  
Harmonics

## Scale



Real-Time Server  
Advanced Monitoring  
State Estimation  
Simulate Before Operate  
What if Analysis  
Playback Server  
Situational Intelligence

### Predictive Simulation

Base Module  
Load Flow  
Short Circuit  
Transformer Sizing  
Motor Starting  
Harmonics  
Switching Sequence Management  
Transient Stability  
Unbalanced Load Flow

# eOTS

Advanced training solution to help control room operators learn the skills required to operate their power systems efficiently and reliably

## Launch



### Trainer Simulator

- OTS Server
- OTS Client
- Playback Server
- Playback Client
- SCADA Operations

### Trainee Machine

- Base Module
- Time Domain Load Flow

## Grow



### Trainer Simulator

- OTS Server
- OTS Client
- Playback Server
- Playback Client
- SCADA Operations
- Switching & Maintenance Sequence

### Trainee Machine

- Base Module
- Time Domain Load Flow
- Switching Sequence Management

## Scale



### Trainer Simulator

- OTS Server
- OTS Client
- Playback Server
- Playback Client
- SCADA Operations
- Switching & Maintenance Sequence
- Power & Energy Management

### Trainee Machine

- Base Module
- Time Domain Load Flow
- Switching Sequence Management
- Transient Stability

# eProtect

Centralized protection and asset management for maintenance information and settings while complying with regulations and standards

## Launch



### Asset Management

Users 1  
Auditing & Settings History  
Substation Hierarchical Model

## Grow



### Asset Management

Users 5  
Auditing & Settings History  
Substation Hierarchical Model  
Download Relay Settings  
Asset Lifecycle Management  
Settings Tracking Dashboard & Notifications

## Scale



### Asset Management

Users 10  
Auditing & Settings History  
Substation Hierarchical Model  
Download Relay Settings  
Asset Lifecycle Management  
Settings Tracking Dashboard & Notifications  
Work Order Management

### Advanced Fault Analysis System

Fault Detection  
Fault Type Identification  
Fault Location  
Waveform Viewer

# How to choose the right Subscription Bundle

## 01. Consider

- Your business requirements
- Your budget
- Your future needs

## 02. Evaluate

- Essential features
- Optional add-ons
- License requirements
- Enterprise subscription

## 03. Select

- Request pricing
- We can help you make the right choice

Multi-discipline solutions and services to meet your needs

